

1   **WHAT IS CLAIMED IS:**

- 2           1. An adjustable housing for a hand tool comprising:
- 3           a head with a proximal end, a distal end and composed of two
- 4   halfcasings combined with each other, and each half casing comprising
- 5           a first adjusting base formed on the half casing at the proximal end
- 6   of the head; and
- 7           a recess with an inner surface defined in the first adjusting base;
- 8           a handle with a proximal end pivotally attached to the proximal end of
- 9   the head, a distal end and composed of two half casings combined with each
- 10   other, and each half casing of the handle comprising
- 11           a second adjusting base formed on the half casing at the proximal
- 12   end of the handle and corresponding to the first adjusting base on a
- 13   corresponding one of the half casings of the head; and
- 14           a recess with an inner surface defined in the second adjusting base
- 15   and facing with the recess in the corresponding first adjusting base;
- 16           a pivot extending through the adjusting bases on the head and the handle
- 17   to pivotally connect the head with the handle; and
- 18           two positioning devices respectively mounted between the facing
- 19   recesses of the first and second adjusting bases on the head and the handle and
- 20   each positioning device comprising
- 21           a pressing disk non-rotatably received in the recess in a
- 22   corresponding one of the second adjusting bases on the handle and having
- 23           a central hole defined through the pressing disk for the pivot
- 24   extending through the central hole;

1                   a guiding block formed on the pressing disk at a side far away  
2 from the corresponding half casing of the handle and having two curved guiding  
3 edges formed respectively on two ends of the guiding block; and

4                   a positioning block formed on the pressing disk at a side far  
5 away from the corresponding half casing of the handle and having two ends;

6                   a pressed disk non-rotatably received in the corresponding first  
7 adjusting base and having

8                   a central hole defined through the pressed disk for the pivot  
9 extending through the central hole

10                  a guiding block formed on the pressed disk at a side far away  
11 from the corresponding half casing of the head and having two curved guiding  
12 edges formed respectively on two ends of the guiding block and selectively  
13 abutting against one end of the positioning block on the pressing disk; and

14                  a positioning block formed on the pressing disk at a side far  
15 away from the corresponding half casing of the handle and having two ends  
16 selectively abutting against one of the guiding edges of the guiding block on the  
17 pressing disk; and

18                  a biasing member abutting against one of the pressing disk and the  
19 pressed disk to provide a restituted force to the abutting disk so as to make the  
20 pressing disk abut against the pressed disk.

21                  2. The housing as claimed in claim 1, wherein the biasing member of one  
22 of the positioning devices is received in the recess in the corresponding first  
23 adjusting base on the head and abuts against the pressed disk.

24                  3. The housing as claimed in claim 1, wherein the biasing member of one

1 of the positioning devices is received in the recess in the corresponding second  
2 adjusting base on the handle and abuts against the pressing disk.

3 4. The housing as claimed in claim 1, wherein the recess in each first  
4 adjusting base has multiple ribs formed on the inner surface; and  
5 each pressed disk has multiple notches engaging respectively with the  
6 ribs in the recess on the corresponding first adjusting base to keep the pressed  
7 disk from rotation relative to the corresponding first adjusting base.

8 5. The housing as claimed in claim 1, wherein the recess in each second  
9 adjusting base has multiple ribs formed on the inner surface; and  
10 each pressing disk has multiple notches engaging respectively with the  
11 ribs in the recess on the corresponding second adjusting base to keep the pressing  
12 disk from rotation relative to the corresponding second adjusting base.